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L1: Entry 1 of 3

File: USPT

Aug 4, 1998

US-PAT-NO: 5790674

DOCUMENT-IDENTIFIER: US 5790674 A

TITLE: System and method of providing system integrity and positive audit capabilities to a positive identification system

DATE-ISSUED: August 4, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Houvener; Robert C.	Nashua	NH		
Hoenisch; Ian P.	Salem	NH		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Image Data, LLC	Nashua	NH			02

APPL-NO: 08/ 684677 [PALM]

DATE FILED: July 19, 1996

PARENT-CASE:

RELATED APPLICATION This is a Continuation-in-Part of application Ser. No. 08/436,146, filed May 8, 1995 now U.S. Pat. No. 5,657,389.

INT-CL: [06] H04 L 9/32, G06 K 9/62

US-CL-ISSUED: 380/23; 340/825.34, 382/115

US-CL-CURRENT: 713/185; 340/5.82, 340/5.9, 382/115, 713/182

FIELD-OF-SEARCH: 380/23, 382/115, 340/825.34

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4858121</u>	August 1989	Barber et al.	705/2
<input type="checkbox"/>	<u>4991205</u>	February 1991	Lemelson	
<input type="checkbox"/>	<u>4993068</u>	February 1991	Piosenka et al.	
<input type="checkbox"/>	<u>4995081</u>	February 1991	Leighton et al.	

<input type="checkbox"/>	<u>5053608</u>	October 1991	Senanayake	
<input type="checkbox"/>	<u>5095196</u>	March 1992	Miyata	
<input type="checkbox"/>	<u>5131038</u>	July 1992	Puhl et al.	
<input type="checkbox"/>	<u>5259025</u>	November 1993	Monroe et al.	
<input type="checkbox"/>	<u>5321751</u>	June 1994	Ray et al.	
<input type="checkbox"/>	<u>5337358</u>	August 1994	Axelrod et al.	
<input type="checkbox"/>	<u>5416306</u>	May 1995	Imahata	235/380
<input type="checkbox"/>	<u>5436970</u>	July 1995	Ray et al.	
<input type="checkbox"/>	<u>5466918</u>	November 1995	Ray et al.	
<input type="checkbox"/>	<u>5469506</u>	November 1995	Berson et al.	380/23
<input type="checkbox"/>	<u>5546463</u>	August 1996	Caputo et al.	380/25

ART-UNIT: 362

PRIMARY-EXAMINER: Barron, Jr.; Gilerto

ATTY-AGENT-FIRM: Sullivan; James T. Bourque; Daniel J. Carroll; Kevin J.

ABSTRACT:

The present invention is a system and method of providing system integrity and positive audit capabilities to a positive identification system. The use of access authority information units to gain access to the positive identification system solves the problems of open, unsecured and unauditable access to data for use in point of use identification systems. In order to secure the rights to the data that is needed to make mass identification systems operate, it must be shown that records will be closed and secure, as well as that there will be an audit trail of access that is made to the data. This system solves those problems through the use of a system and method for identification with biometric data and/or personal identification numbers and/or personalized devices embedded with codes unique to their assigned users.

11 Claims, 7 Drawing figures

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L1: Entry 2 of 3

File: USPT

Aug 5, 1997

US-PAT-NO: 5655007

DOCUMENT-IDENTIFIER: US 5655007 A

TITLE: Telephone based credit card protection

DATE-ISSUED: August 5, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McAllister; Alex	Wheaton	MD		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
Bell Atlantic Network Services, Inc.	Arlington	VA				02

APPL-NO: 08/ 363041 [PALM]

DATE FILED: December 23, 1994

PARENT-CASE:

RELATED APPLICATIONS This application is a continuation-in-part of application Ser. No. 08/322,133, filed Oct. 13, 1994, now U.S. Pat. No. 5,513,250 for Telephone Based Credit Card Protection, having a common assignee with the present application.

INT-CL: [06] H04 M 11/00

US-CL-ISSUED: 379/91.01; 379/88

US-CL-CURRENT: 379/91.01; 379/88.02

FIELD-OF-SEARCH: 379/91, 379/88, 379/89, 379/93, 379/94, 379/201, 379/95

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>4485300</u>	November 1984	Peirce	
<input type="checkbox"/>	<u>4796292</u>	January 1989	Thomas	
<input type="checkbox"/>	<u>5315641</u>	May 1994	Montgomery et al.	
<input type="checkbox"/>	<u>5513250</u>	April 1996	McAllister	379/91

ART-UNIT: 265

PRIMARY-EXAMINER: Woo; Stella

ATTY-AGENT-FIRM: Lowe, Price, LeBlanc & Becker

ABSTRACT:

A system and method for enhancing the security of use of a transaction device such as a transaction card through a telephone system wherein subscribers to the service may require voice authentication as a prerequisite to a conventional transaction card authentication step. The service is automatically invoked based on a code inserted in the card, or the identity of the calling subscriber, or the identity of the called authentication bureau. The service may also be invoked in situations which do not involve the use of a transaction device but which require the input of an identifying password or number when seeking access to limited access data or services.

29 Claims, 6 Drawing figures

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L1: Entry 3 of 3

File: USPT

Oct 24, 1989

US-PAT-NO: 4876717

DOCUMENT-IDENTIFIER: US 4876717 A

**** See image for Certificate of Correction ****

TITLE: Adjunct processor for providing computer facility access protection via call transfer

DATE-ISSUED: October 24, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barron; Salvador	Westminster	CO		
Coffman; James E.	Boulder	CO		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
American Telephone and Telegraph Company	Morristown	NJ			02	
AT&T Information Systems	Morristown	NJ			02	

APPL-NO: 07/ 205054 [PALM]

DATE FILED: June 3, 1988

PARENT-CASE:

This application is a continuation of application Ser. No. 913,288, filed Sept. 30, 1986, now abandoned.

INT-CL: [04] H04L 9/00

US-CL-ISSUED: 380/25; 380/49, 379/95, 340/825.31, 340/825.34

US-CL-CURRENT: 713/202; 340/5.41, 340/5.52, 379/212.01, 379/213.01, 379/903, 379/93.03, 379/93.04, 713/155, 713/182, 713/183

FIELD-OF-SEARCH: 380/3-5, 380/24, 380/47, 380/49, 380/50, 379/95, 340/825.31, 340/825.34

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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PAT-NO

ISSUE-DATE

PATENTEE-NAME

US-CL

<input type="checkbox"/>	<u>3806882</u>	April 1974	Clarke	364/200
<input type="checkbox"/>	<u>3896266</u>	July 1975	Waterbury	235/380
<input type="checkbox"/>	<u>3984637</u>	October 1976	Caudill et al.	179/2DP
<input type="checkbox"/>	<u>4096356</u>	June 1978	Burtness et al.	179/18
<input type="checkbox"/>	<u>4182933</u>	January 1980	Rosenblum	179/1.5R
<input type="checkbox"/>	<u>4415767</u>	November 1983	Gill et al.	381/51
<input type="checkbox"/>	<u>4430728</u>	February 1984	Beitel et al.	179/2DP
<input type="checkbox"/>	<u>4475175</u>	October 1984	Smith	178/22.08
<input type="checkbox"/>	<u>4479122</u>	October 1984	Redman et al.	340/825.31
<input type="checkbox"/>	<u>4520233</u>	May 1985	Smith	179/1.5R
<input type="checkbox"/>	<u>4531023</u>	July 1985	Levine	179/2DP
<input type="checkbox"/>	<u>4532377</u>	July 1985	Zink	379/94
<input type="checkbox"/>	<u>4604499</u>	August 1986	Hughes	179/2DP

OTHER PUBLICATIONS

J. T. Powers, Jr., "Switched Lines Access Restrictor", IBM Technical Disclosure Bulletin, vol. 22, No. 9, Feb., 1980, pp. 4196-4197.
J. Smith, "Call-Back Schemes Ward Off Unwanted Access by Telephone", 8032 Electronics International, 57(1984)Mar., No. 5, N.Y., U.S.A., pp. 131-135.
C. W. Beardsley, "Is Your Computer Insecure?", IEEE Spectrum, vol. 9, No. 1, Jan. 1972, pp. 67-78.

ART-UNIT: 222

PRIMARY-EXAMINER: Buczinski; Stephen C.

ASSISTANT-EXAMINER: Gregory; Bernarr Earl

ATTY-AGENT-FIRM: Watland; Ross T.

ABSTRACT:

This adjunct processor arrangement performs a centralized call screening function to provide computer port access security. Every call origination in the telephone switching system from a calling party to a protected computer port is interdicted by the telephone switching system and routed to the adjunct processor. The calling party receives a series of prompts from the adjunct processor to provide identification information, such as login, password, and voiceprint information. The adjunct processor validates the identity of the calling party using this identification indicia and initiates a callback operation. The adjunct processor disconnects the calling party from the connection, calls the calling party back and then uses the data call transfer capability of the telephone switching system to connect the calling party to the computer.

14 Claims, 2 Drawing figures